TOROPOV, N.; SKVORTSOV, A.

All-out participation in fire prevention. Pozh.delo 6 no.8:11 Ag '60. (MIRA 13:8)

1. Zamestitel' nachal'nika pozharnoy okhrany kombinata
"Krasnyy Perekop (for Toropov). 2. Starshiy inspektor
Upravleniya pozharnoy okhrany, Yaroslavl' (for Skvortsov).
(Yaroslavl--Factories--Fires and fire prevention)

ACCESSION NR: AR4035562

S/0271/64/000/003/B010/B010

SOURCE: Ref. zh. Avtomat., telemekh. i vy*chisl. tekhn. Av. t., Abs. 3B48

AUTHOR: Butakov, Ye. A.; Toropov, N. R.

TITLE: Synthesis of the schemes realizing combinatorial operators

CITED SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta, vy*p. 42, 1963, 44-55

TOPIC TAGS: Gray code counter, shift register, Gray code counter synthesizing, combinatorial operator

TRANSLATION: Based on the Boolean algebra, a synthesis of a Gray-code counter with a digit blocking and a synthesis of a generator of combinations of n things, k at a time, are presented. These devices can be used in a control system of a specialized computer for investigating communication and control systems. Two methods are analyzed in synthesizing the Gray-code counter. In the first method, the conventional binary positional counter is used for obtaining Gray-code numbers (by a definite algorithm). Owing to the drawbacks of the first method (lower counting rate and need for additional equipment when symmetrical outputs in each counter digit are realized), the second method is used in the synthesizing in

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ACCESSION NR: AR4035562

which the Gray-code natural numbers appear directly in the counter. A Gray-code counter synthesis with blocking any k digits is presented. A functional scheme of odd and even cells is given. An algorithm underlying the generator of combinations of n things, k at a time, is described. This algorithm is also illustrated by a table presenting all combinations of 6, three at a time. An optimum scheme for realizing the algorithm consisting of k shift registers is presented. A scheme of 2-cycle magnetic-core shift register is analyzed. Six illustrations, two tables. Bibliography: 5 titles.

DATE ACQ: 14Apr64

SUB CODE: DP ENCL: 00

Card 2/2

KASHIROV, V. I.; BUTAKOV, Ye. A.; POTTOSIN, Yu. V.; TOROFOV, N. R.; TSVETNITSKAYA, S. A.

"Problems in Realizing the L-Machine."

report presented at the Symp on Relay Systems Theory & Finite Automata, Moscow, 24 Sep-2 Oct 62.

TOROPOV, P.I.

Complete filling for the preservation of industrial buildings and structures in the Donets Basin. Ugol' 38 no.12: 13-14 '63. (MIRA 17:5)

l. Nachal'nik tekhnicheskogo otdela Gosudarstvennogo komiteta pri Sovete Ministrov UkrSSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.

1920年1220年1230日 1920年1230日 1920年1230日 1920年1230日 1920日 1920

TOROPOV, P.I., inzh.; NOVIKOV, N.V.

Boring and blasting in mines under construction. Bezop. truda v prom. 2 no.9:10-11 S '58. (MIRA 11:9)

1.Kombinat Luganskshakhtostroy (for Toropov). 2.Trest Kadiyevshakhtostroy (for Novikov).

(Mining engineering)

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AUTHORS:

Vasil'yev, Yu. A., Zamyatnin, Yu. S., Toropov, P. V., 89-12-9/29

Fomushkin, E. F.

TITLE:

Measurement of the Neutron Spectrum in the Area below 0,5 MeV by Means of the Time of Flight Method (Izmereniye spektrov neytronov

v oblasti energiy nizhe 0,5 MeV metodom vremeni proleta)

PERIODICAL:

Atomnaya Energiya, 1957, Vol. 3, Nr 12, pp. 542-544 (USSR)

ABSTRACT:

By applying an impulse source of neutrons the secondary neutron spectrum is measured, which develops, if 14 MeV neutrons pass through layers of uranium. A fission chamber, which was connected with a 50 channel analyzer, was used as a neutron detector. The distance between source and detector was 6 m.

The energy spectra for the following samples were shown by a

graph:

a) U^{235} : 2,7 cm thick ($\sim 1/3 \, h \, in$)

b) U238: 2,5 cm thick (~1/3 lin)

c) U^{238} : 8 cm thick (\sim in)

The spectra obtained from a) and b) originate from a simple interaction between 14 MeV neutrons and the uranium nuclei: It can be assumed that in the measured area of energy the development of the secondary neutrons originate from evaporization from

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Measurement of the Neutron Spectrum in the Area 0,5 MeV by Means 89-12-9/29 of the Time of Flight Method.

the stimulated conditions of the compound core. For the case c) the development of a higher number of slow neutrons was ascertained. These are the consequence of a multiple-inelastic interaction which confirms the existence of low situated levels in the U^{238} nucleus. There are 3 figures and 3 references, 2 of which are Slavic.

SUBMITTED:

July 20, 1957

AVAILABLE:

Library of Congress

Card 2/2

VASIL'YEV, Yu.A.; ZAMYATNIN, Yu.S.; IL'IN, Yu.I.; SIROTININ, Ye.I.; TOROPOV, P.V.; FOMUSHKIN, E.F.

Measuring the spectra and average number of neutrons in the fission of U²³⁵ and U²³⁸ induced by 14.3 Mev neutrons. Zhur.eksp.i teor.fiz. 38 no.3:670-684 Mr '60.

(MIRA 13:7)

(Neutrons) (Nuclear fission) (Uranium-Isotopes)

EWP(e)/EWT(m) L 24354-66 SOURCE CODE: UR/0363/66/002/002/0357/0362 ACC NR. AP6007259 22 AUTHOR: Toropov, N.A.; Zhukauskas, R.-S.M.; Aleynikov, F.K. B ORG: Institute for Chemistry and Chemical Technology AN LitSSR (Institut khimii i khimicheskoy tekhnologii AN LitSSR) TITLE: The structural transformations of synthetic cordierite SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 2, 1966, 357-362 TOPIC TAGS: cordierite. crystal structure, silicate ABSTRACT: The test samples were of cordierite synthesized from glass in a heat treatment of from 0.5 to 120 hours, at temperatures from 1100 to 1460°C. The heat treatment was done in a Silit furnace in platinum crucibles, with subsequent air cooling. Glasses of three composition were investigated: a stoichiometric cordierite composition, a composition with 10 weight % more silicon dioxide, and a composition with 10 weight % less silicon dioxide. X-ray investigations were carried out on a URS-50I unit. Results are shown in graphic and tabular form. As the result of prolonged heat treatment at 1400°C a lower rhombic form was obtained from the higher hexagonal cordierite. On raising the temperature up to 1460°C, the reverse transition was UDG:548.19

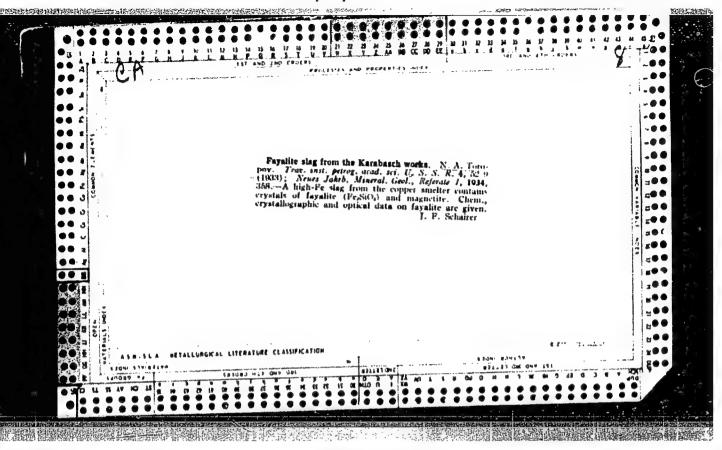
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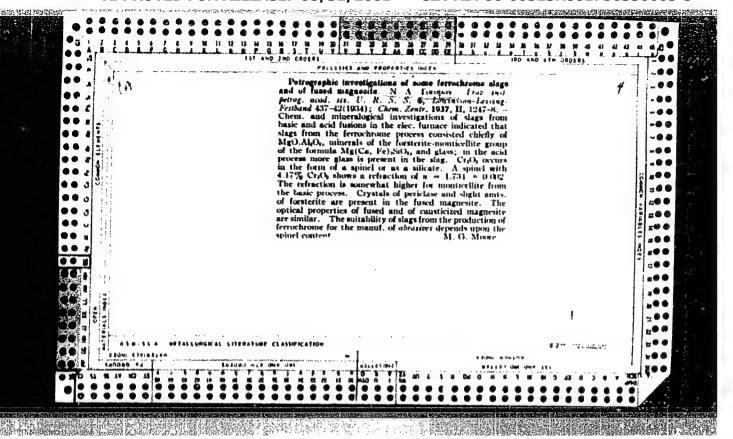
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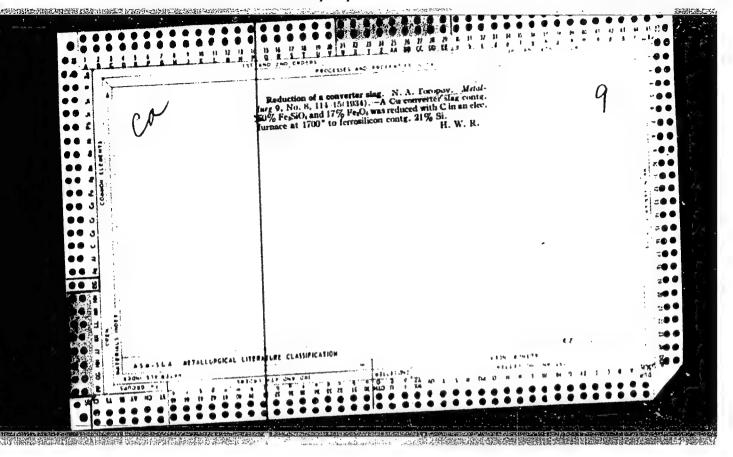
AUTHOR: Bondar', I. A.; Toropov, N. A. ORG: Institute of Silicate Chemistry im. I. V. Grebenshchikov, Academy of Sciences, SSSR (Institut khimii silikatov Akademii nauk SSSR) TITLE: Phase equilibria in the ytterbium oxide-alumina system and their comparison with equilibria in other In203-Al203systems SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 212-217 TOPIC TAGS: phase diagram, phase equilibrium, alumina, aluminum oxide, aluminate, samarium compound, ytterbium compound, hardness, density, melting point, chemical resistant material, rare earth compound ABSTRACT: Phase diagrams were constructed for the Yb203-Al203 and Sm203-Al203 systems. X-ray studies confirmed the compounds 2Yb203.Al203 and 3Yb203.5Al203. The physical properties of the La, Er, Sm, Y, Tb and yb aluminates were compared. The infusibility, herdness, density and chemical resistance of the rare earth aluminates helps make them.	L 24279-66 EWP(e)/EWT(m)/EWP(j)/T/EWP(t)/ETC(m)-6 IJP(c) DS/JD/WW/JG/RI ACC NR: AP6009792 SOURCE CODE: UR/0062/66/000/003/0312/0313	/WH
ORG: Institute of Silicate Chemistry im. I. V. Grebenshchikov, Academy of Sciences, SSSR (Institut khimii silikatov Akademii nauk SSSR) TITLE: Phase equilibria in the ytterbium oxide-alumina system and their comparison with equilibria in other In ₁ O ₃ -Al ₂ O ₃ systems SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, TOPIC TAGS: phase diagram, phase equilibrium, alumina, aluminum oxide, aluminate, samarium compound, ytterbium compound, hardness, density, melting point, chemical resistant material, rare earth compound ABSTRACT: Phase diagrams were constructed for the Yb ₁ O ₃ -Al ₁ O ₃ and Sm ₂ O ₃ -Al ₂ O ₃ systems. X-ray studies confirmed the compounds 2Yb ₁ O ₃ .Al ₂ O ₃ and 3Yb ₂ O ₃ .5Al ₁ O ₃ . The physical properties of the La, Er, Sm, Y, Tb and Yb aluminates were compared. The infusibility, herdness, density and chemical resistance of the rare earthy aluminates were the terms.	AUTHOR: Bondar', I. A.: Toropov. N. A.	
SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, TOPIC TAGS: phase diagram, phase equilibrium, alumina, aluminum oxide, aluminate, samarium compound, ytterbium compound, hardness, density, melting point, chemical resistant material, rare earth compound ABSTRACT: Phase diagrams were constructed for the Yb ₂ O ₃ -Al ₂ O ₃ and Sm ₂ O ₅ -Al ₂ O ₃ systems. X-ray studies confirmed the compounds 2Yb ₂ O ₃ .Al ₂ O ₃ and 3Yb ₂ O ₃ .5Al ₂ O ₃ . The physical properties of the La, Er, Sm, Y, Tb and Yb aluminates were compared. The infusibility, herdness, density and chemical resistance of the rare earth aluminates halve makes the	ORG: Institute of Silicate Chemistry in T V Chaharahali	3
SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 212-217 TOPIC TAGS: phase diagram, phase equilibrium, alumina, aluminum oxide, aluminate, samarium compound, ytterbium compound, hardness, density, melting point, chemical resistant material, rare earth compound ABSTRACT: Phase diagrams were constructed for the Yb203-Al203 and Sm203-Al203 systems. X-ray studies confirmed the compounds 2Yb203.Al203 and 3Yb203.5Al203. The physical properties of the La, Er, Sm, Y, Tb and Yb aluminates were compared. The infusibility, herdness, density and chemical resistance of the rare earth/aluminates/helps make the	TITLE: Phase equilibris in the attention	r
melting point, chemical resistant material, rare earth compound ABSTRACT: Phase diagrams were constructed for the Yb ₂ O ₃ -Al ₂ O ₃ and Sm ₂ O ₃ -Al ₂ O ₃ systems. X-ray studies confirmed the compounds 2Yb ₂ O ₃ .Al ₂ O ₃ and 3Yb ₂ O ₃ .5Al ₂ O ₃ . The physical properties of the La, Er, Sm, Y, Tb and Yb sluminates were compared. The infusibility, herdness, density and chemical resistance of the rare earth/aluminates/helms make the	SOURCE: AN SSSR. Izvestive, Serive khimicheskaya no 2 1000	
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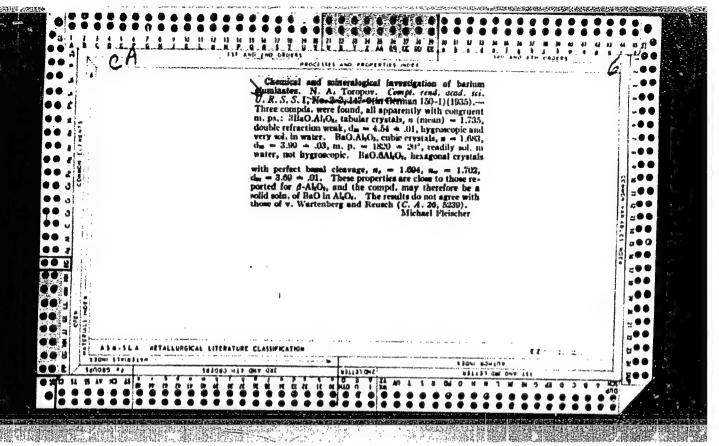
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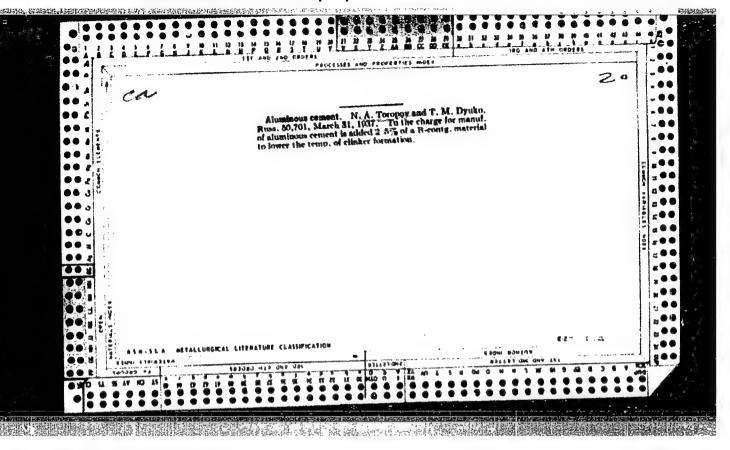


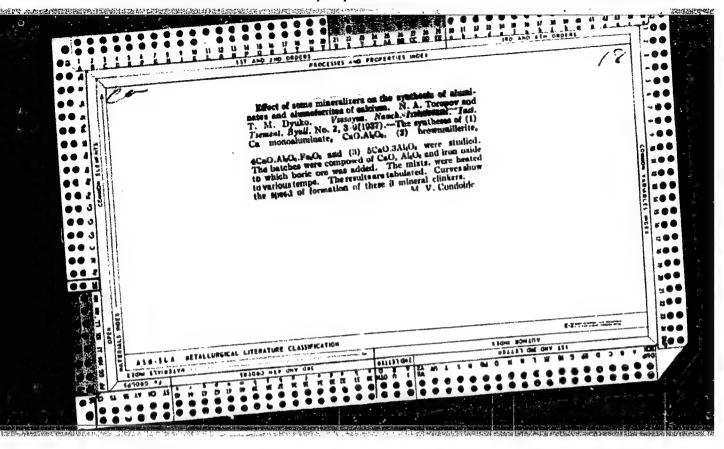


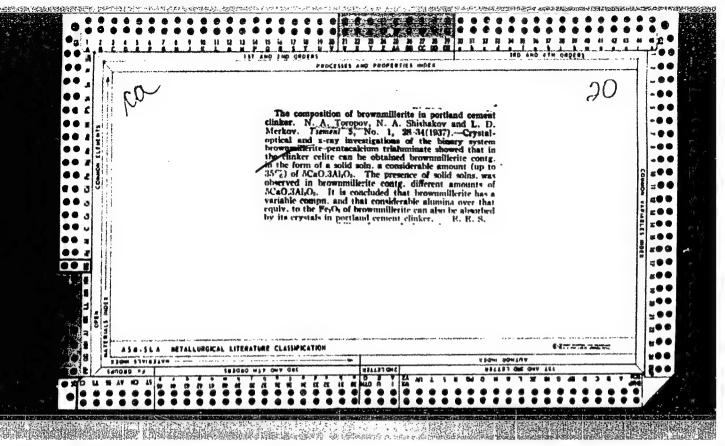


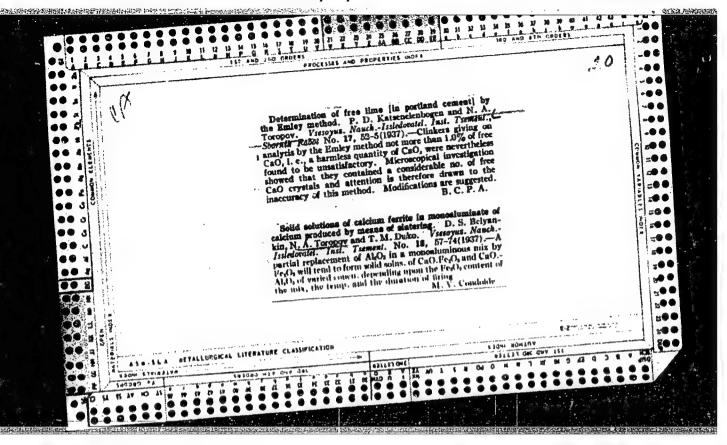
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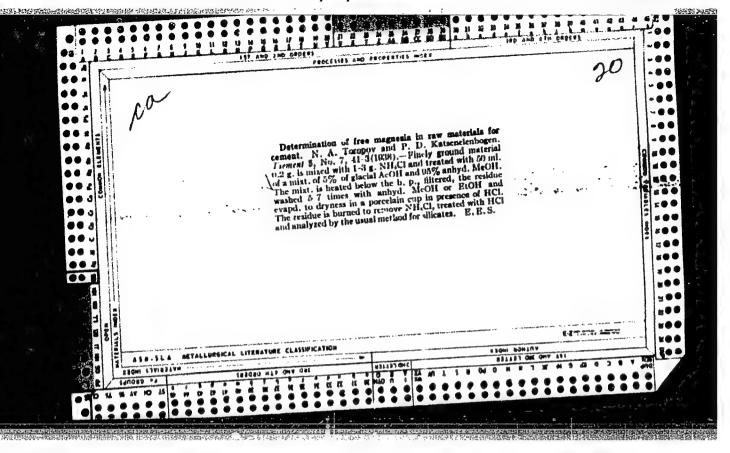
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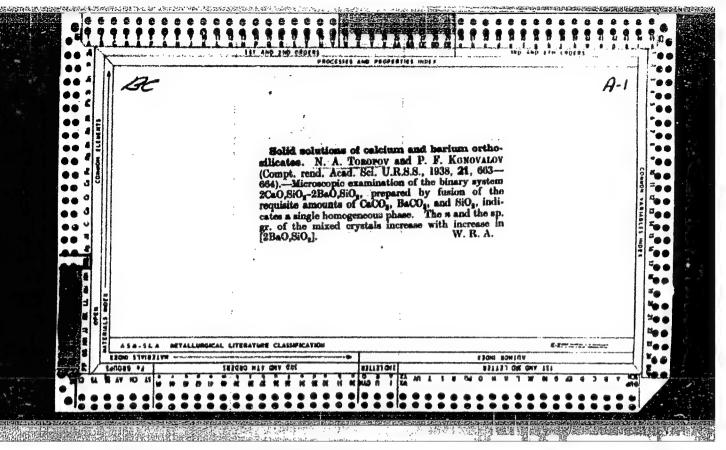


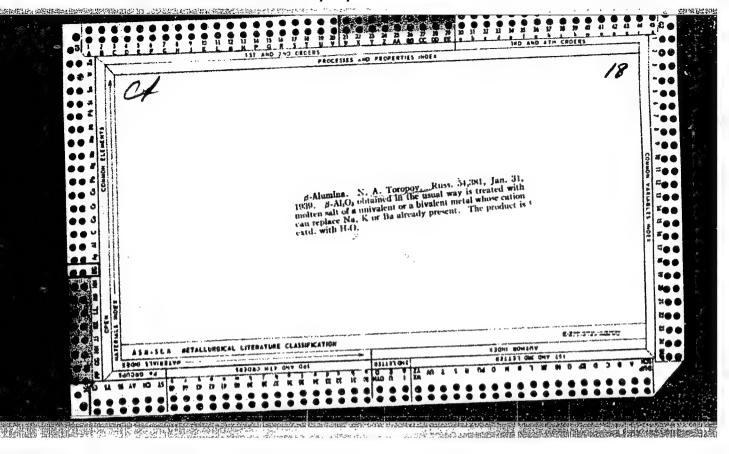


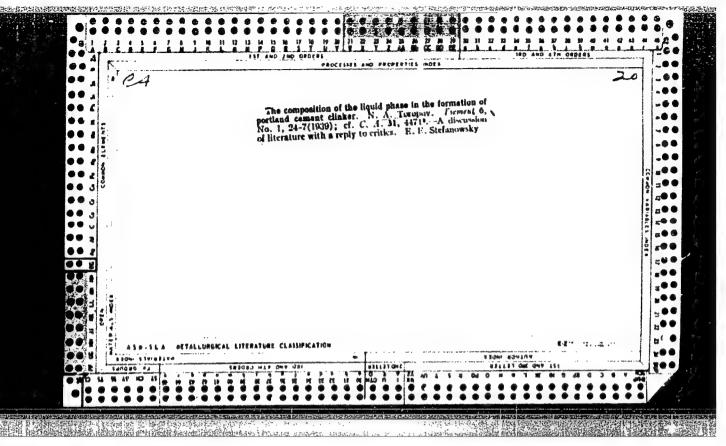


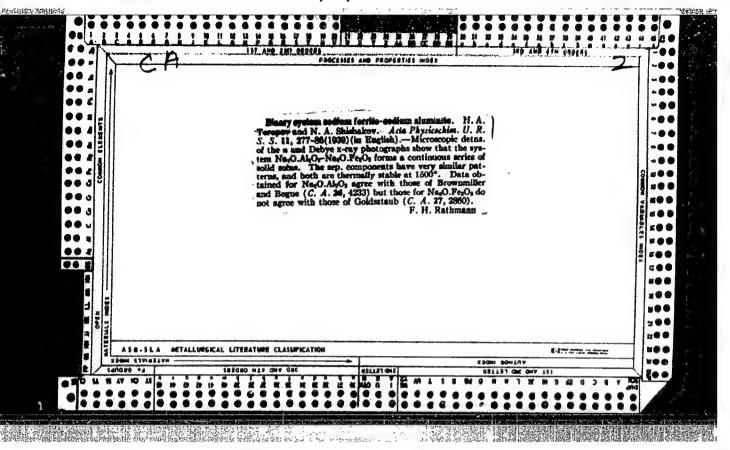


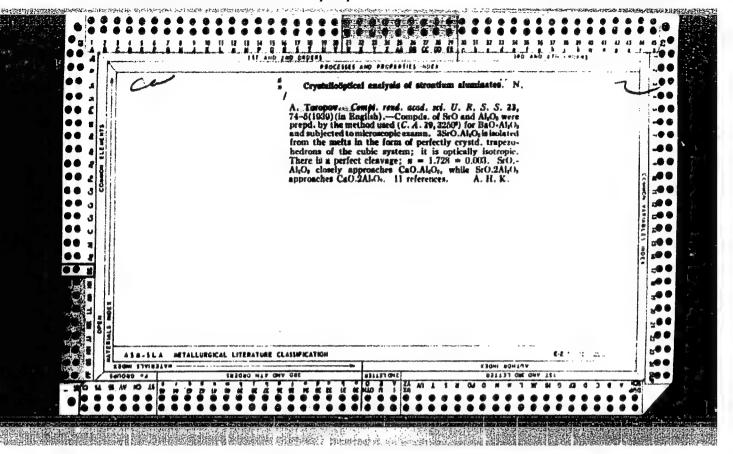


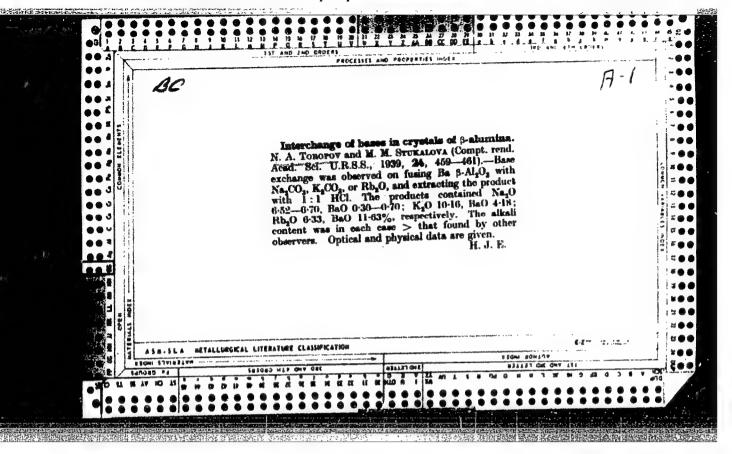


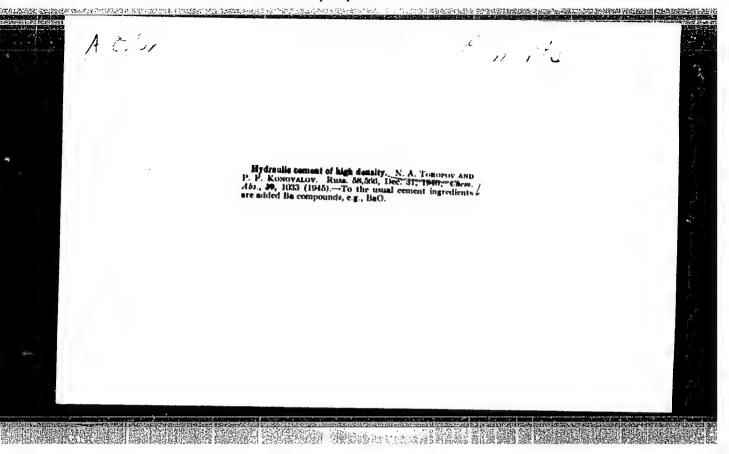


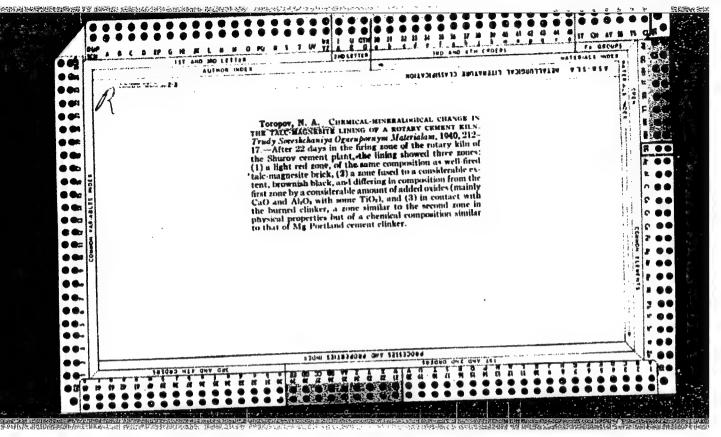


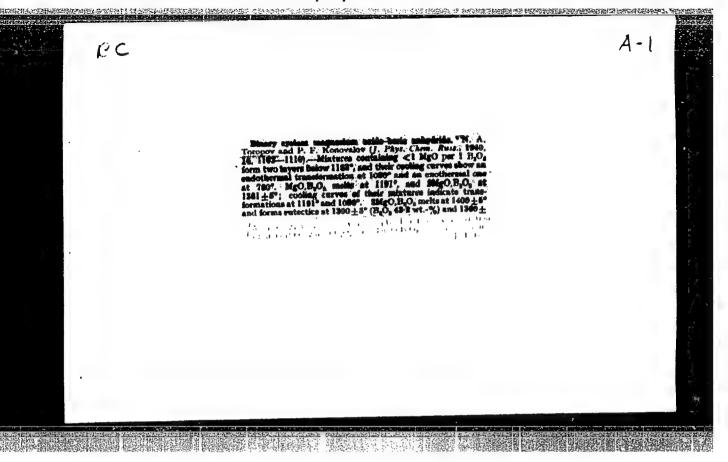


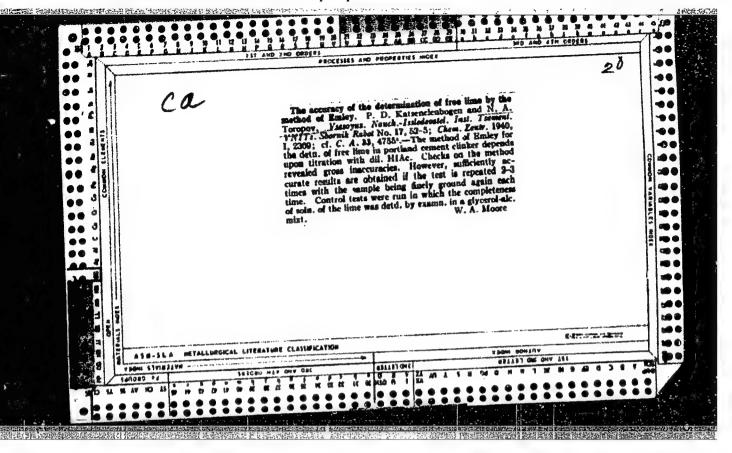


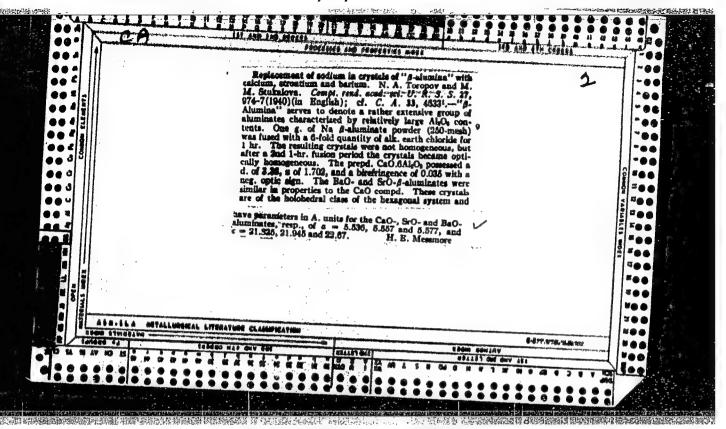


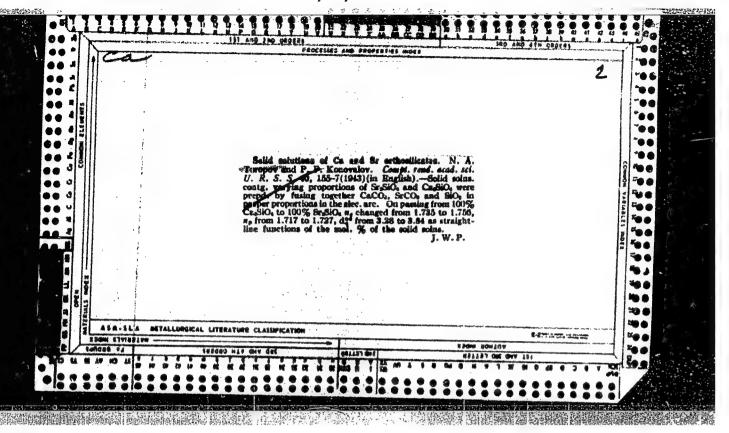


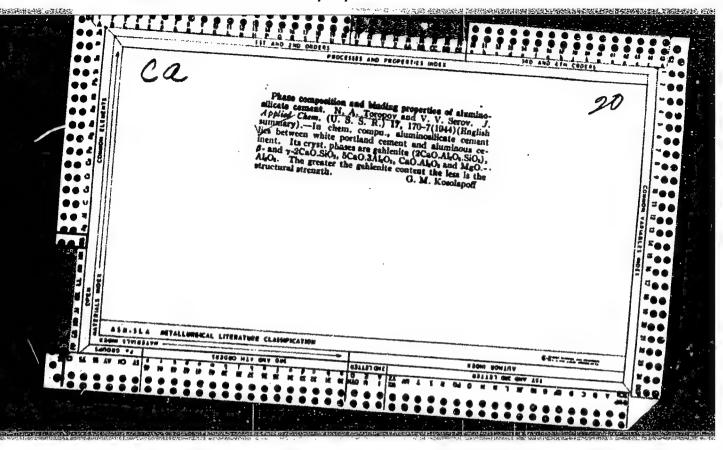


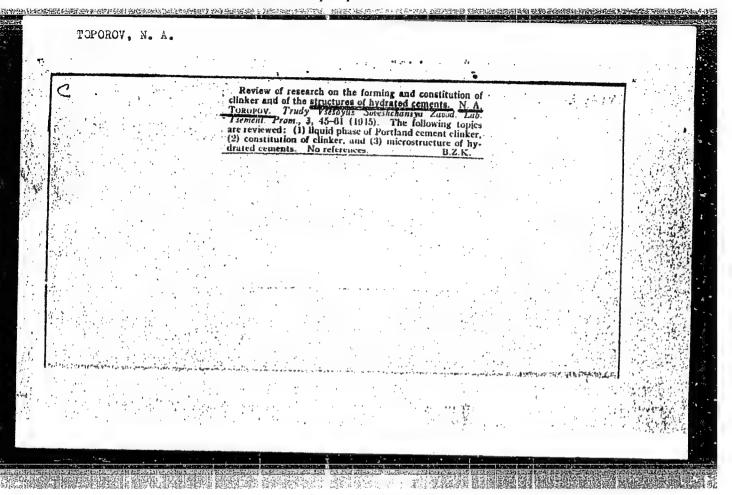












TOEDFOV, T. A.

Toropov, N. A. - "A survey of the newest achievements in the area of the chemistry and petrography of cements," Trudy 4-go Vsesoyuz, soveshchaniya zavodskikh labora-toriy tsement, prom-stil, Leningrad, 1048, p. 43-69.

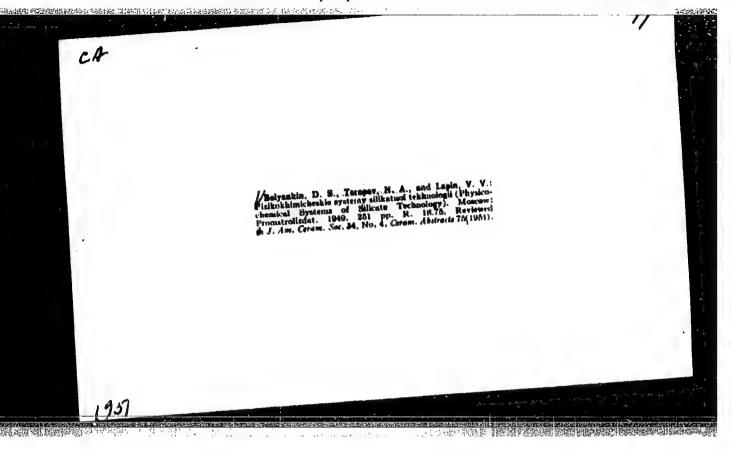
SO: U-3850, 16 June 53, (Letopis 'Zhurmal 'nykh Statey, No. 5, 1949).

TOROPOV, N.A., doktor tekhnicheskikh nauk, professor.

Academician D.S. Beliankin's work. TSement 14 no.6:3-4 H-D '48.

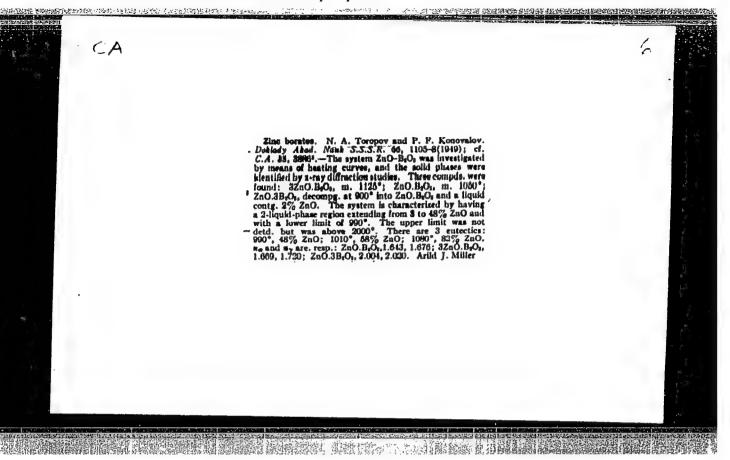
(Building materials)

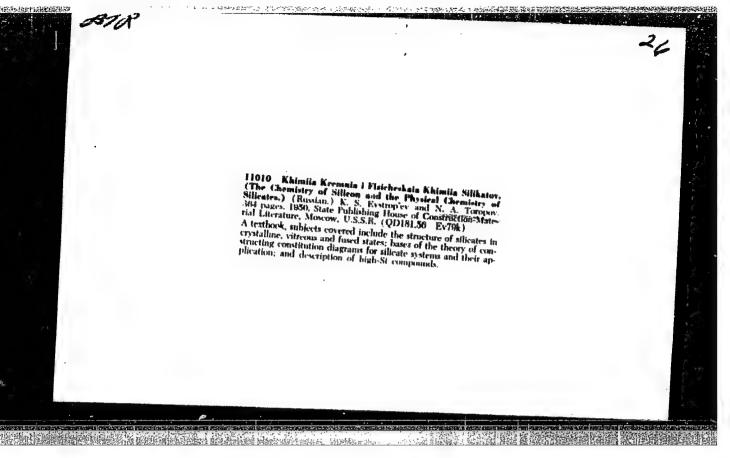
FOROPOV, N. A.	PA 35/49T66
35/491166	USSR/Metals Nickel Oxide Ferric Oxide "Solid Solutions in the System Mio-FegO3," N. A. Toropov, A. I. Borisenko, All-Union Sci Res Inst Giprotsement, h pp "Dok Ak Nauk SSSR" Vol IXIII, Mo 6- pp. 203-8 Conducted chemical, crystal-optic, and I-ray analysis of mixtures of Mio and FegO3 for various temperatures to determine temperature interval in which ferrites form. Table shows content of FeO (in \$) during the heating of various mixtures in a platinum furnace for 32 hours, and relative 35/h9766 USSR/Metals (Contd) Dec 48 Toropov, A. I. Borisenko, All-Union Sci Res Inst Temperature interval in temperature interval in the periods of the mixture, content of Mio and FegO3 in weight, and characterselus of the mixture, Submitted by Acad D. S. Belyankin 27 Oct 48.

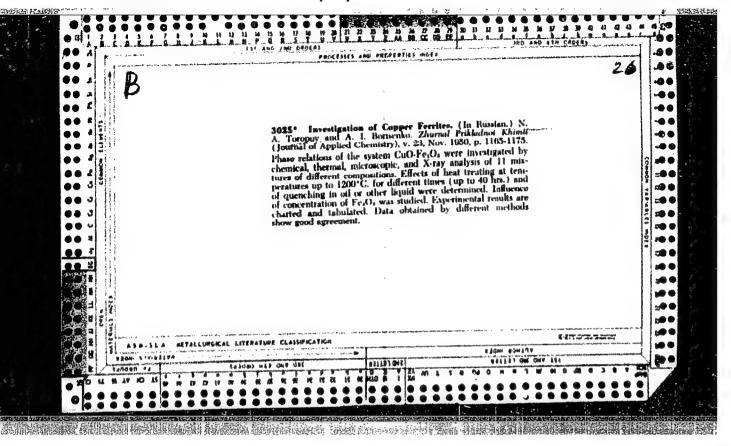


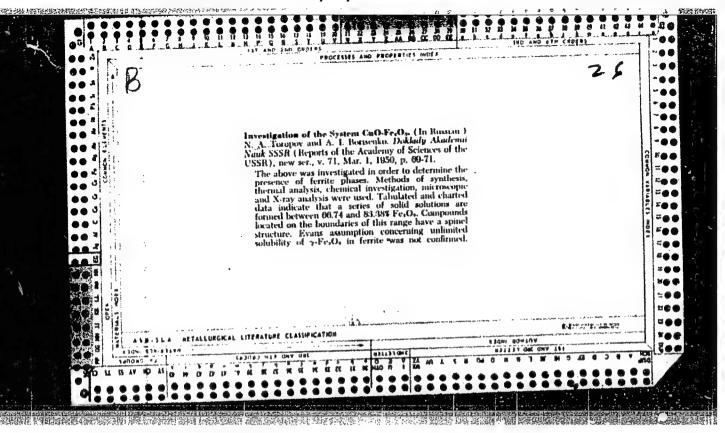
TOROPOV, N. A.

SOLID SOLUTIONS IN THE SYSTEM COO-Fe₂O₂. N. A. TOROPOV, XE. A. PORAI-KOSHITS, AND A. I. BORISENKO. Doklady Akad. Nauk S.S.S.R. v. 66, 905-8 (1949); cf. C. A. 43, 4552b. In an equimol. mixt. of the pptd. hydroxides, ferritization is complete on 40 hrs. heating at 1100° of pellets dried at 120° and pressed under 3000 kg. /sq. cm. The thermal dissocn. 6Fe₂O₃—4Fe₂O₄ + O₂, in mixts. with CoO, is less intense than in mixts. with NiO. In the presence of excess CoO, the product obtained is porous, and contains, on microscopic exam., 2 phases, one dark-gray, the other dark-yellow. The amt. of the former decreases with decreasing CoO. With increasing Fe₂O₃ content, the color of the crystals seen in specimens etched with HNO₃ changes from dark-yellow in the equimol. compn., to yellow for 2 CoO + 5Fe₂O₃. With further increasing excess of Fe₂O₃, a new light phase appears along with the yellow crystals, attaining 45-50% in CoO + 6Fe₂O₃. By x-ray examn., free Fe₂O₃ is CONTINUED









TOROPOV, N. A.

PA 160T80

USSR/Minerals - Bauxite Silicates 11 May 50

"New Orthosilicates of Potassium and Sodium," N. A. Toropov, O. I. Arakelyan, All-Union Aluminum-Magnesium Inst, 4 pp

"Dok Ak Nauk SSSR" Vol LXXII, No 2-p.365

During systematic investigations of reactions in process of roasting bauxite with limestone and soda, authors observed two new crystal phases in binary system 2CaO·SiO2-Na2O·CaO·SiO2. Gives characteristics of these phases, and formulas of formation of new silicates and X-ray measurements of interplanar distances.

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TOROTOV, II. A.

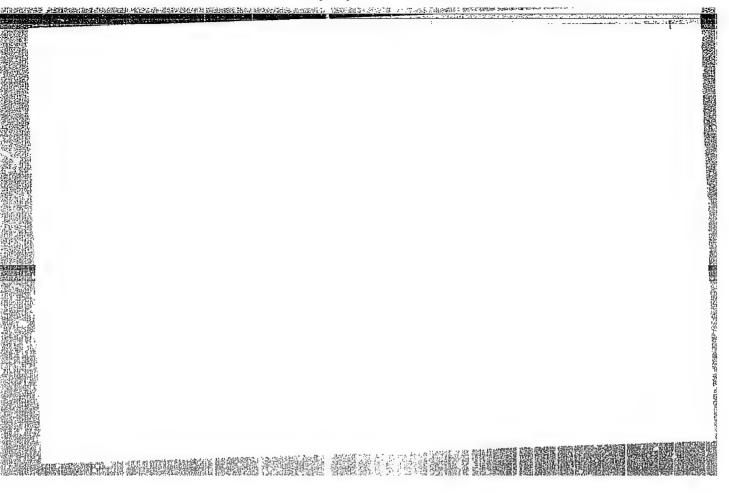
USSR/Metals - Oxides, Structure

1 Jan 51

"Solid Solutions in the Systems NiO-ZnO-Fe₂O₃ and CuO-ZnO-Fe₂O₃," N. A. Toropov, A. I. Borisenko, Leningrad Tech Inst imeni Lensoviet'

"Dok Ak Nauk SSSR" Vol LXXVI, No 1, pp 85-88

Studies 2 ternary systems. Concludes solid soln of limited concn are being realized in these systems. Mixed ferrites and ferric oxides are components of solid soln in one part of systems, and mixed ferrites and oxides of bivalent metals in the other part. Presents and discusses diagrams of both systems. Submitted 27 Oct 50 by Acad D. S. Belyankin.



TOROPOV, H. A., GALAKHOV, F. YA.

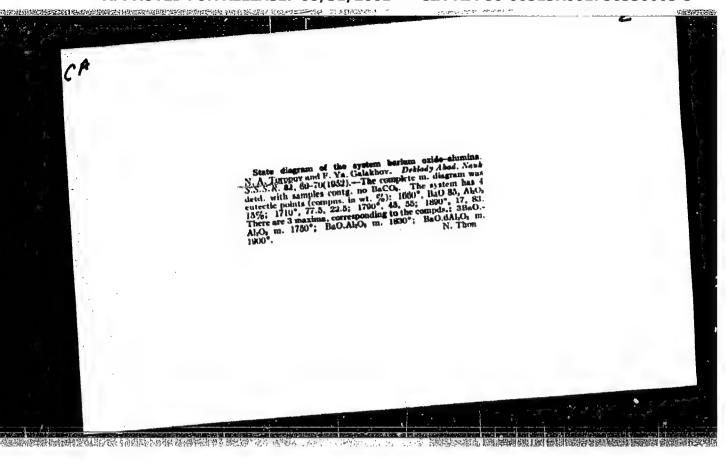
Mulite

"New data on the system AL₂O₃-SiO₂." N. A. Toropov, F. Ya. Galakhov. Reviewed by Prof. S. V. Glebov, Ogneupory, 17, No. 7, 1952.

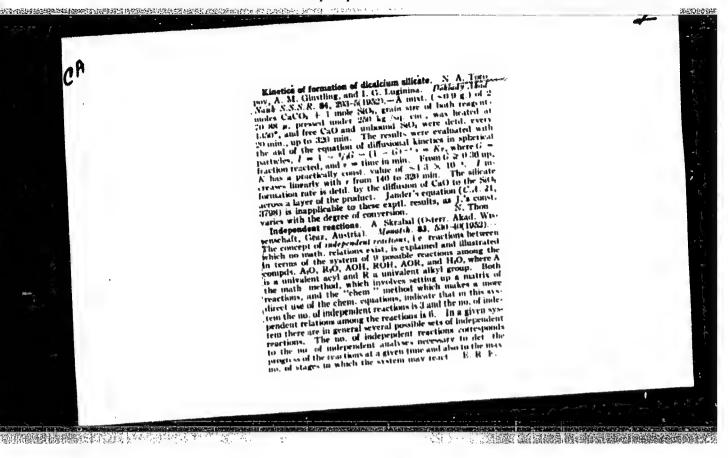
9. Monthly List of Russian Accessions, Library of Congress, October 1952 4953, Uncl.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756330003-3



TOROFOV, N. A.	1,100°. Compasiying within the limits of a homogenous ferrite phase exhibit spinel structure, genous ferrite phase exhibit spinel structure, zareco, (zinc ferrite) is an important ingredient of oxide magnets.	"Dok Ak Nauk SSER" Vol LXXII, No 4, pp 607-609 The cryst phases in the system Zno - Fe ₂ O ₃ are examin microscopically and by X-ray diffraction. The examin studied were Zno-Fe ₂ O ₇ 2Zno Fe ₂ O ₃ , 2Zno-Fe ₂ O ₃ , compass studied were Zno-Fe ₂ O ₇ 2Zno Fe ₂ O ₃ , 2Zno-Fe ₂ O ₃ , and others. Comparison of results of X-ray study of the synthesized zinc ferrite with those of New of the synthesized zinc ferrite with those of New Jersey franklinite shows the 2 substances to be Jersey franklinite shows the 2 substances to be form homogeneous solid solns on being heated to 213T19	ussa/Chemistry - Abrasives, Oxide Magnets 1 Feb 52 "Solid Solutions in the System ZnO - Fe203." N. A. Toropov, A. I. Borisinko



TOROPOV, N.A.; BORISENKO, A.I.

可得如此的根据和位置的代码和图像的对象的研究图像中国的中国现代。1991年

THE STATE OF THE STATE OF

Physicochemical study of solid solutions formed by orthosilicates of calcium and barium. (In: Soveshchanie po eksperimental'noi mineralogii i petrografii. 4th, Moscow, 1952. Trudy, Moskva, 1953. No.2, p.214-229).

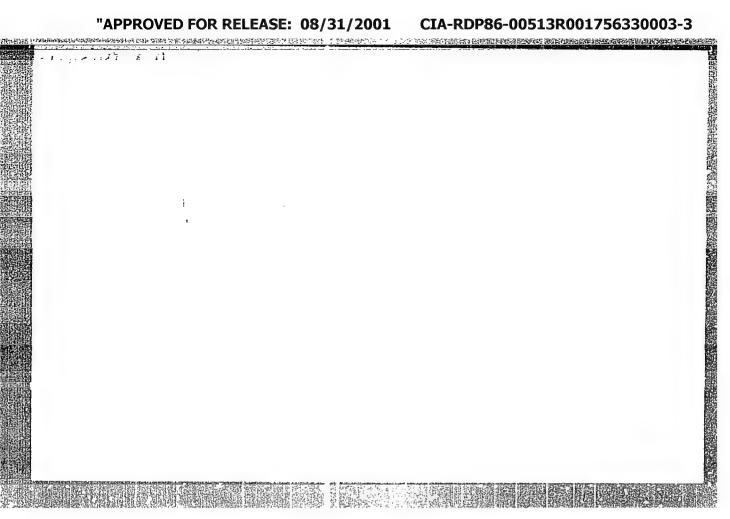
1. Fisiko-khimicheskaya laboratoriya Instituta khimii silikatov Akademii nauk SSSR. (Silicates) (Systems (Chemistry)) (Solutions, Solid)

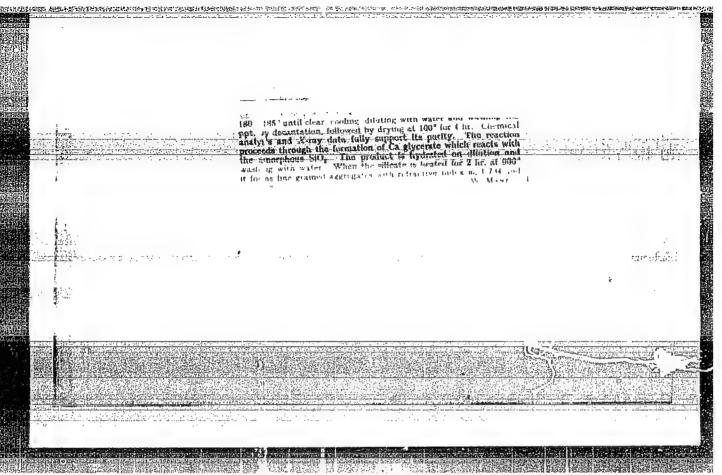
TOROPOV, Fikita Aleksandrovich, 1908- BULAK, L.M.; CHETVERIKOV, S.D., redaktor.

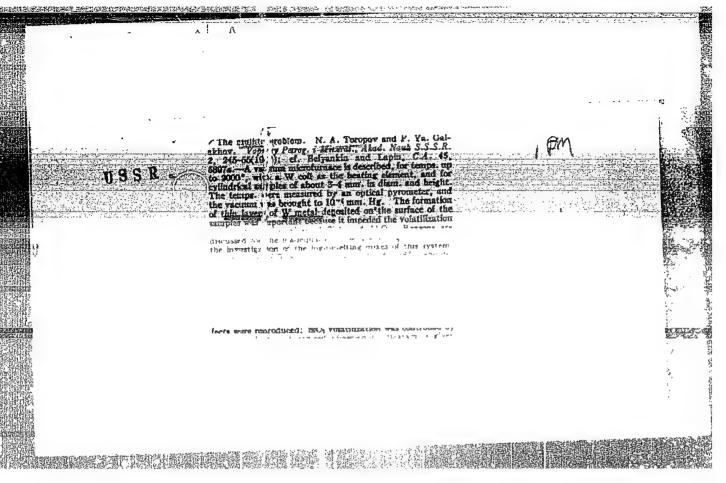
[Course in mineralogy and petrography and the principles of geology]

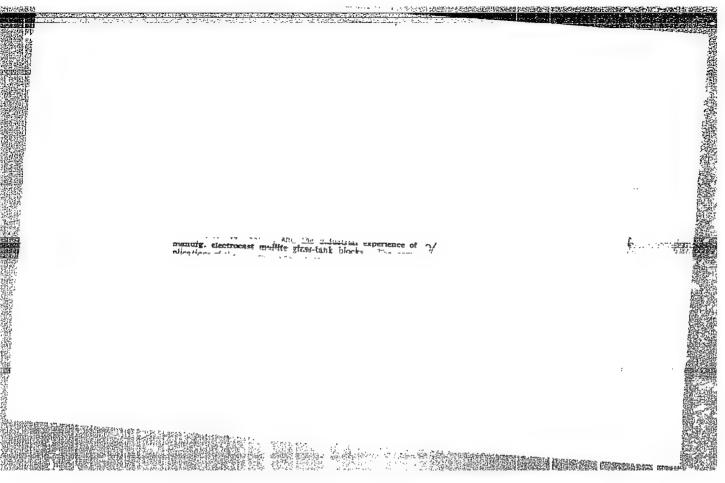
Kurs mineralogii i petrografii s osnovami geologii. Pod red. S.D.Chetverikova. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1953. 486 p.

(Mineralogy) (Petrology) (Geology, Stratigraphic)









TOROPOY, N.A., professor; VOL'FSON, S.L., dotsent.

Intensification process of clinker firing. Thement no.4:12-16 Jl-Ag '53.
(MERA 6:8)
(Gement kilns)

TURUPUV, h.A.

Chemical Abstracts
May 25, 1954
Cement, Concrete and
other Building Materials

The binding of calcium oxide in burning portland cement, raw mixes, as a function of the size of granules. Id. A. Topopov and I. C. Luglaina. Silikatleck. 4, 470-4(1953): cf. G.A. 43, 972h.—For a special study of the optimum conditions for accelerated burning of portland cement, the authors detd, the functional relations between the size of granules from the raw mix and the temp, distribution in a kim, the time of exposure to the firing temps, in the sintering zone, finally the effects of addus, of NaF or CaF. The degree of reaction of free CaO with the ingredients of the raw mix is measured by analytical methods and controlled under the microscope. The firing process is distinctly accelerated by reducing the diam, of the raw mix granules from 6 to 1.25 mm. The mineralizing effects of the finorides are better for relatively lower firing temps, while at higher temps, their volatilization is marked. The time for a complete clinkerization is for granules of 1.25 mm, diam, at 1600° only 3.5 min., and in the presence of fluorides (for a clinker rich in 2CaO.SiO₂) even only 10-15 gec. Industrial kilns, with granules of more than 6 mm. In diam, require in general a sintering time at 1500° of 5 to 7 min., and if CaF₂ was added, only of 1.5 to 3 min. In the last sintering period, the rate of CaO binding in the clinker minerals is distinctly decreased. It is important to know that granules of less than 5 mm. in diam, in cost industrial kilns are unnecessarily retained in the sintering zone.

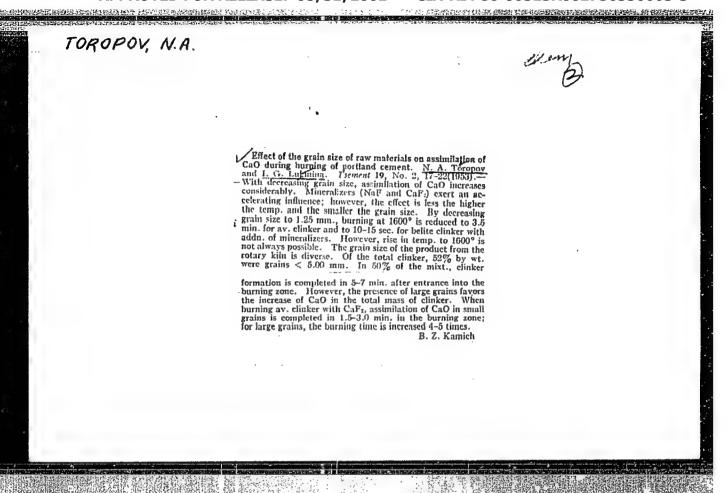
TOROPOV, N. A., Prof.; LUGINAN, I. G.

Cement

Effect of quick heating on the formation of cement clinker. TSement 19, No. 1, 1953.

1953. Unclassified. Monthly List of Russian Accessions, Library of Congress, June

CIA-RDP86-00513R001756330003-3" APPROVED FOR RELEASE: 08/31/2001



"APPROVED FOR RELEASE: 08/31/2001 (

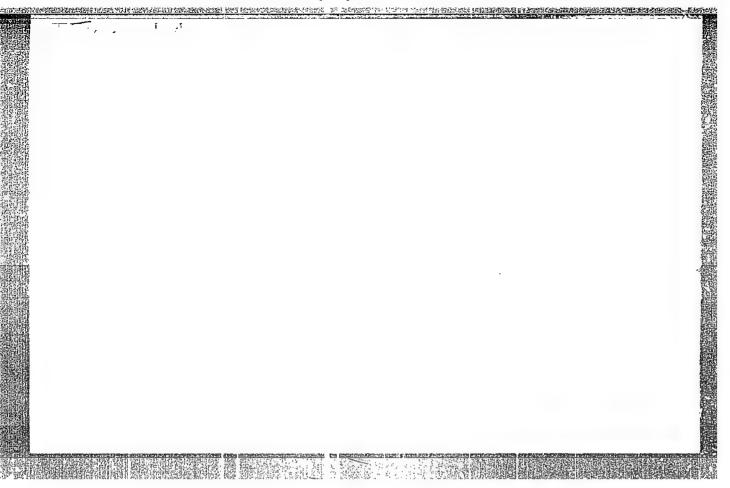
CIA-RDP86-00513R001756330003-3

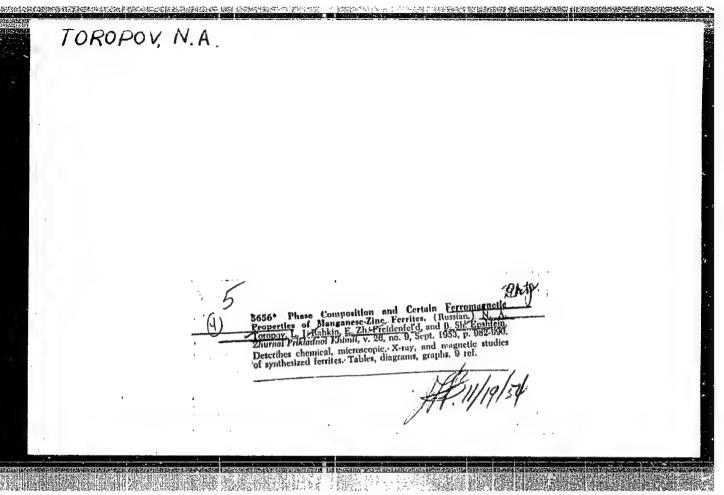
TOROPOV, N. A.



Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Cement, Concrete, and Other Building
Materials

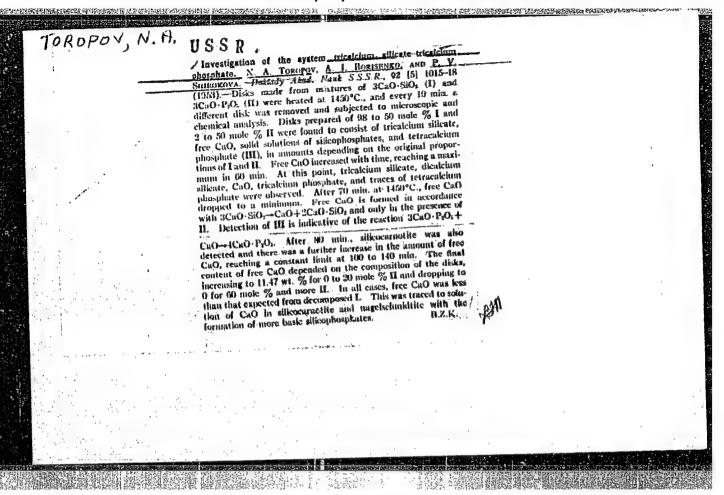
Intensifying the firing of clinker. N. A. Toropoy and C. L. Vol'ison. Trement 19, No. 4, 12-16(1953).—Two portland-cement mixts differing only in the content of diand tri-Ca silicates were fired at 1200 and 1300° with 0.05, 0.025, and 0.012 g.-equivs. of fluorides and fluosilicates (superphosphate by-products) per 100 g. of the cement mixt. The fluosilicates and fluorides proved more beneficial than fluorspar. The fluosilicates were, in turn, more effective than the fluorides of the corresponding cations. Optimum dosage of fluosilicate was 0.012 g.-equiv. Strength of the cement specimens was not lowered by these admixts. B. Z. Kamich





- 1. TOROPOV, N. A., GALAKHOV, F. YA., BONDAR, Y. A.
- 2. USSR (600)
- 4. Aluminum Silicates
- 7. Structural diagram of the ternary system BaO-Al203- SiO2. Dokl. AN SSSR 89, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

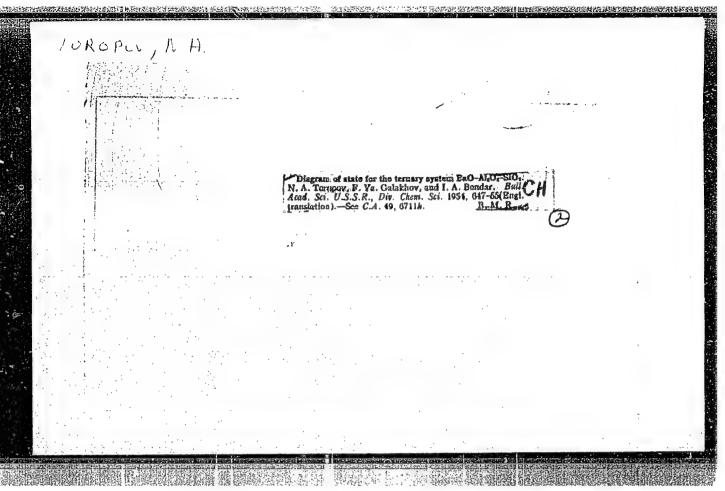


TOROPOV, N. A.

614.383

B4

Fiziko-khimicheskiye sistemy silikatnoy tekhnologii (Physico-chemical systems of silicate tochnology, by) D. S. Belyankin, V. V. Lapin, N. A. Toropov. Moskva, Promstroyizdat, 1954.
370 p. diagrs., graphs, tables.
Includes bibliographies.



TOROPOV, N.A.: GAIAKHOV, F.Ya.; BONDAR', I.A.

Equilibrium diagram of the ternary system: BaO - Al₂O₃ - SiO₂.

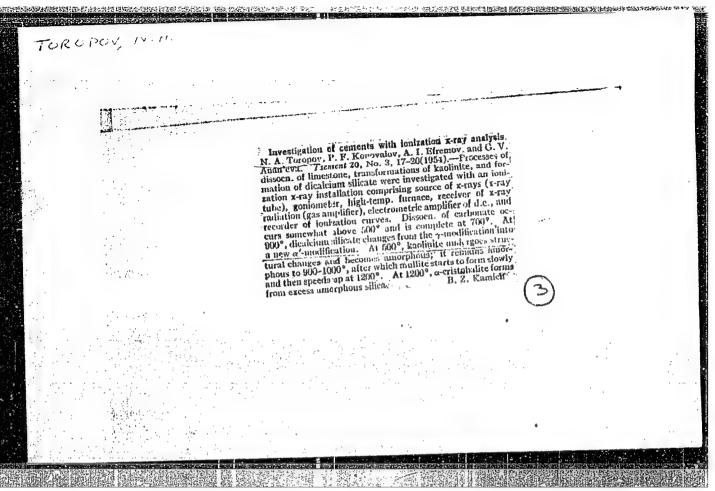
Izv.AN SSSR Otd.khim. nauk no.5:753-764 S-O '54.

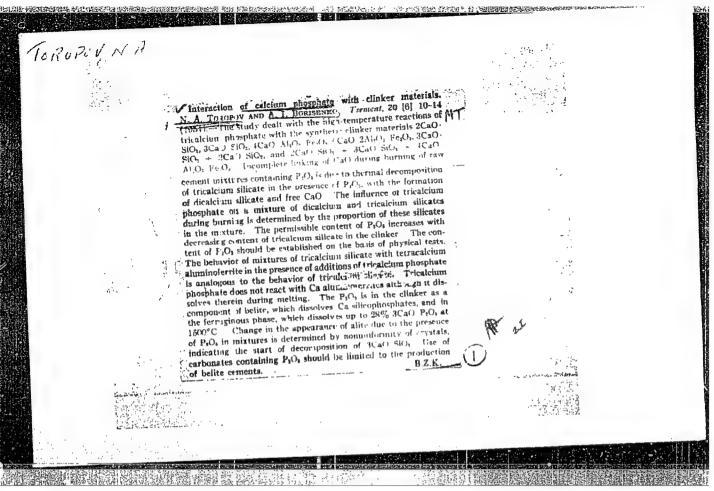
(MLRA 8:3)

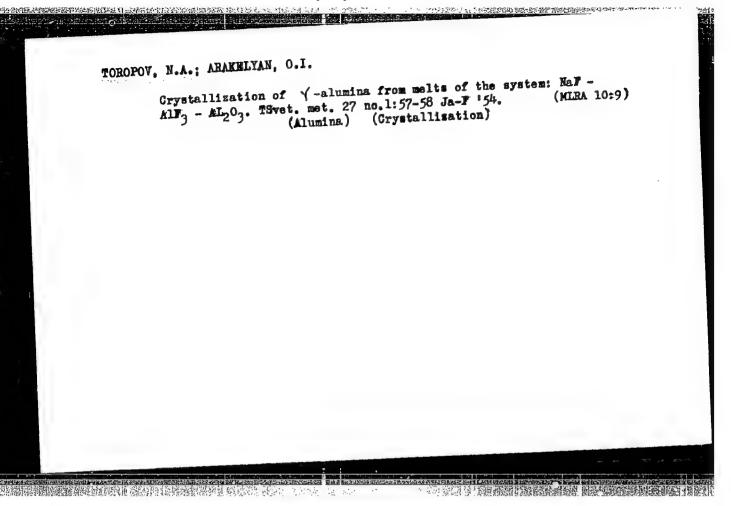
1. Institut khimii silikatov Akademii nauk SSSR.

(Phase rule and equilibrium)(Aluminum silicates)

(Barium salts)





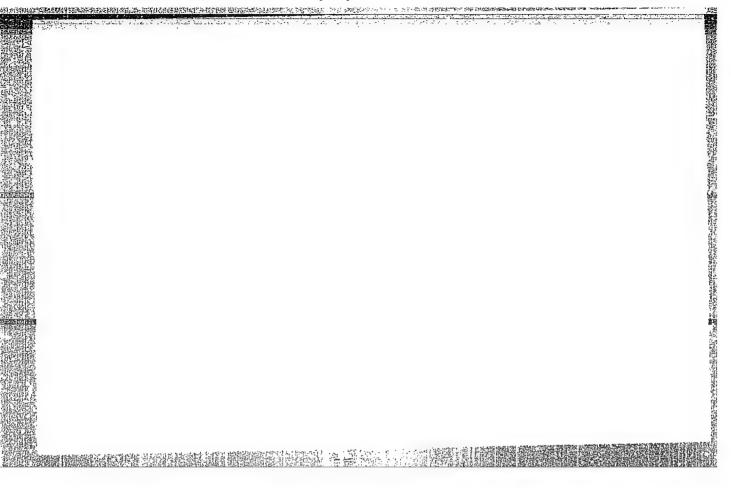


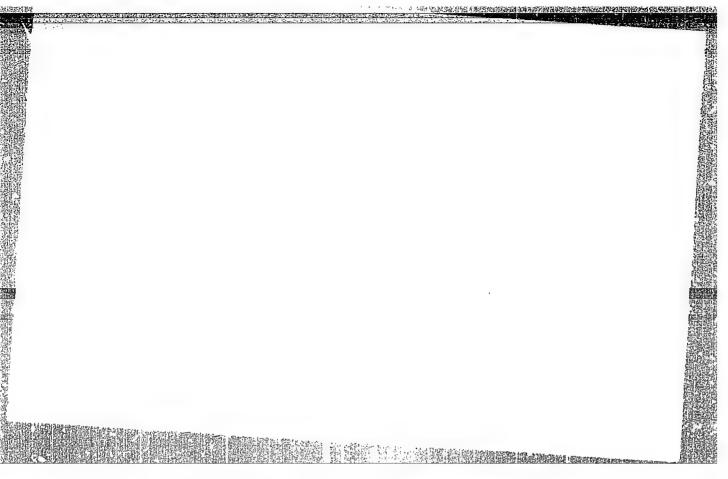
TOROPOV, N.A.; KONOVALOV, P.F.; YEFREMOV, A.I.; ANAN'YEVA, G.V.

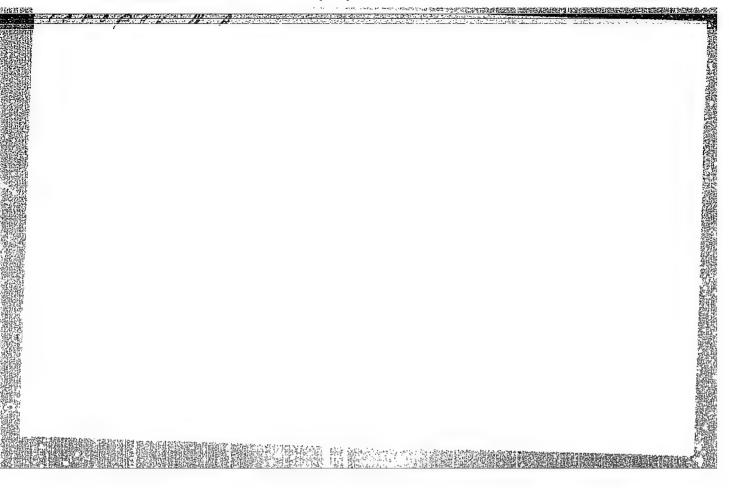
Use of the high-temperature X-ray ionization method for studying processes that take place in alumina production. TSvet.met. 27 no.2: 37-42 Mr-Ap '54.

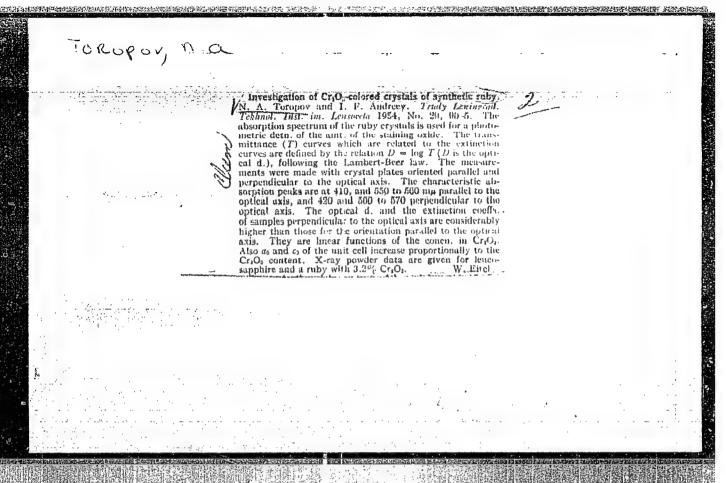
1. Giproteement.

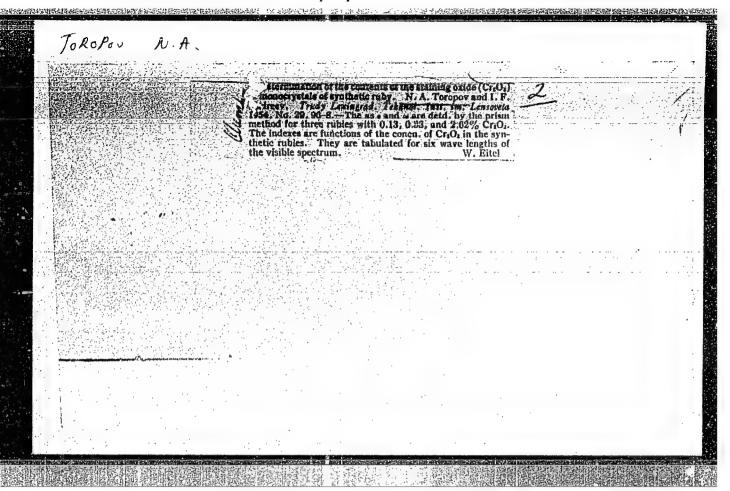
(Alumina) (I days)











Toropov, N.A

USSR/Chemistry - Silicates

Card 1/1 Pub. 22 - 24/48

Authors : Toropov, N. A., and Skue, E. R.

Title : Effect of fluoride compounds on solid calcium alumo-ferrite solutions

Periodical : Dok. AN SSSR 98/3, 415-418, Sep 21, 1954

Abstract: The effect of certain fluoride compounds on the stability of solid solutions of 2CaO • Fe₂O₃, 4CaO • Al₂O₃ • Fe₂O₃ and 6CaO • 2Al₂O₃ • Fe₂O₃, was investigated at high temperatures. It was established that the crystals of the investigated solid calcium alumo-ferrite solutions form a so-called "celite" of Portland cement clinker and also make it possible to determine certain technical properties of the cement. Six references: 2-USA; 2-German; 1-Italian and USSR (1928-1951). Tables; illustrations.

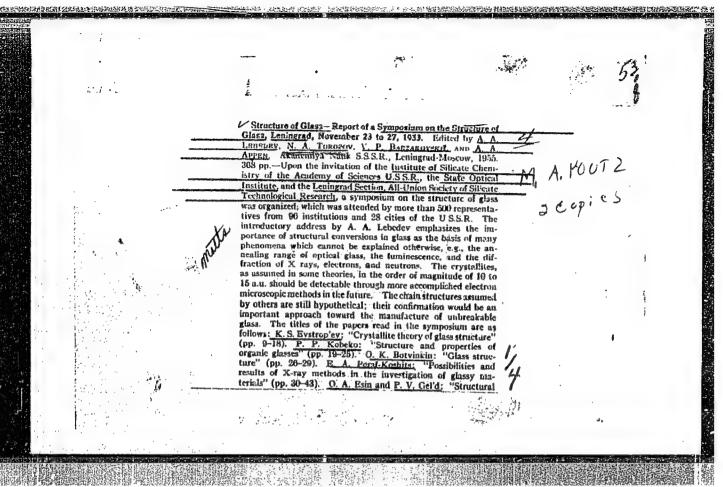
Institution: Academy of Sciences USSR, Institute of Chemistry of Silicates

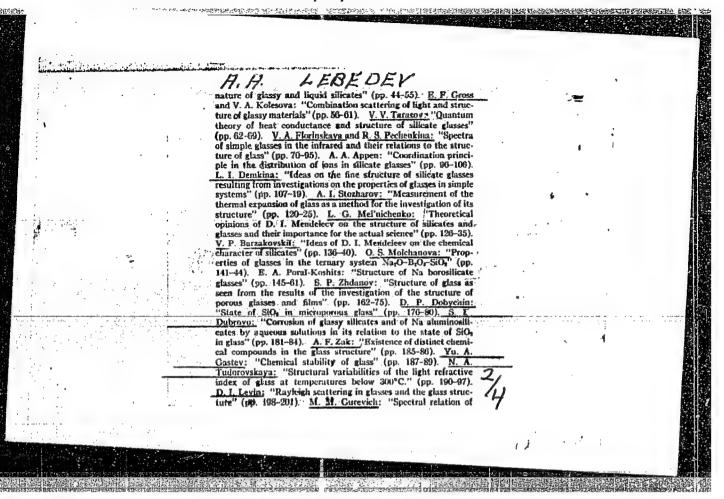
Presented by: Academician S. I. Vol'fkovich, April 28, 1954

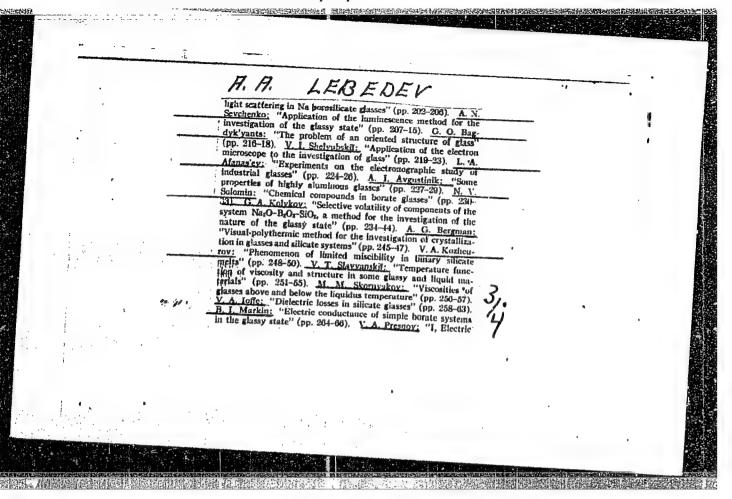
BOTVINKIN, O.K.; YEVSTROP'YEV, K.S., doktor khimicheskikh nauk, professor, retsensent; TOROPOV, H.A., doktor tekhn.nauk, professor, retsensent; MAZURIN, O.V., kandidat khim. nauk, retsensent; KUKOLEV, G.V., doktor tekhnicheskikh nauk, peofessor, retsensent; ALKIND, I.Ya., kandidat tekhnicheskikh nauk, redaktor; DEMINA, G.A., redaktor; MUDKOVSKAYA, N.I., tekhnicheskiy redaktor.

[Physical chemistry of silicates] Fizicheskaia khimila silikatov. Isd. 2-oe, perer. i dop. Moskva, Gos.isd-vo lit-ry po stroit. materialam, 1955. 285 p. (MLRA (9:5)

1.Kafedra obshchey tekhnologii silikatov Leningradskego ordena Trudovogo Krasnoge Znameni Tekhnologicheskago instituta imeni Lensoveta (for Yevstrop'yev, Toropov, Masurin). (Silicates)

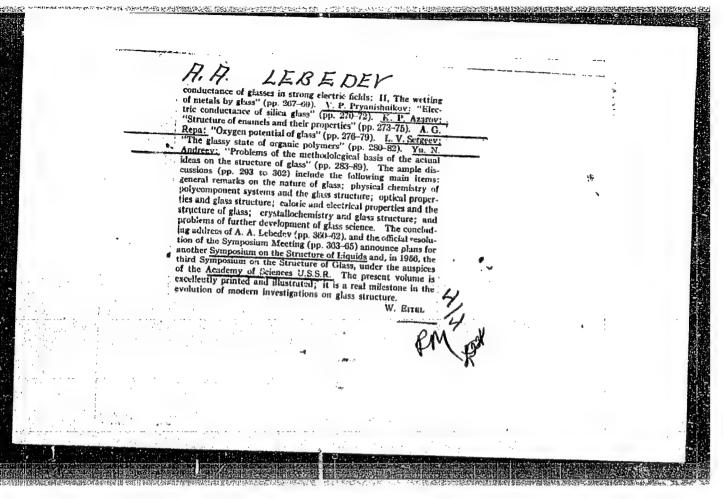


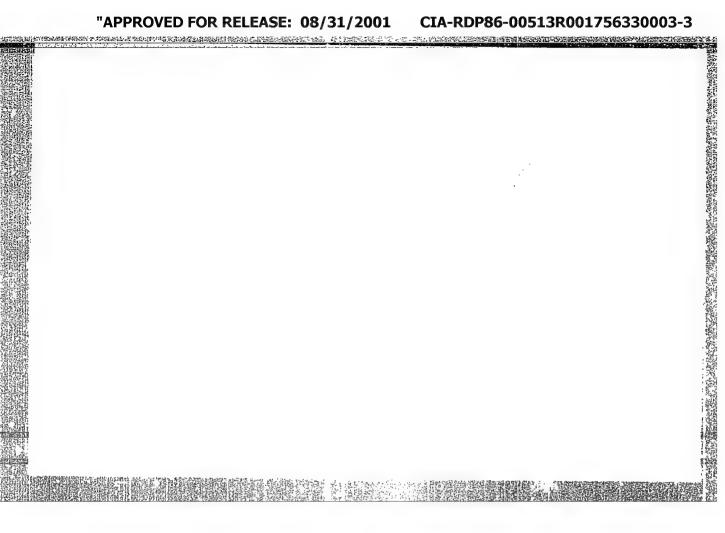




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CIA-RDP86-00513R001756330003-3





TOROPOV, N.A.

USSR/ Chemistry - Silicates

Card 1/1

Pub. 40 - 1/27

Authors

Toropov, N. A.; Galakhov, F. Ya.; and Bondar', I. A.

Title

Solid solutions formed by celsian, dibarium trisilicate and barium disilicate (Sanbornite)

Periodical :

Izv. AN SSSR. Otd. khim. nauk 1, 3-8, Jan-Feb 1955

Abstract

Experiments were conducted to establish the zone, boundaries and liquidus of a ternary solid solution formed by barium disilicate, dibarium trisilicate and celsian. It was found that the refraction index for this zone depends largely upon the barium disilicate and aluminum oxide contents of the solution. The refraction index decreases with the increase of barium disilicate and Al₂O₃. The equilibrium ratio of the investigated solution was established on the basis of several polythermal samples with constant Al₂O₃ contents. Two USA references (1922 and 1950). Graphs; table; illustrations.

Institution :

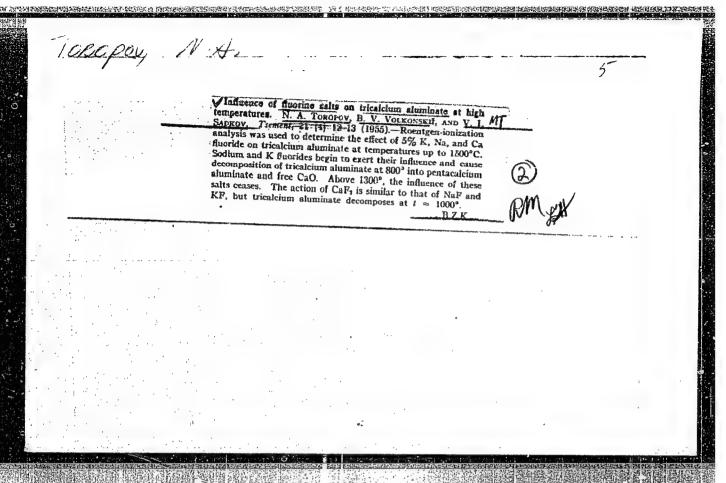
Acad. of Sc., USSR, Institute of Chem. of Silicates

Submitted

January 28, 1954

TCROPOV, H.A., professor; AVGUSTINIK, A.I., professor; BARZAKOVSKIY, V.P.,

Golffo; initial feather and the second and the second of the secon



Subject : USSR/Chemistry

AID P - 1371

Card 1/1

Pub. 119 - 4/6

Authors

: Toropov, N. A. and Bondar', I. A., (Leningrad)

Title

Fluoberyllates and other crystallochemical analogs of silicates and like substances

Periodical

: Usp. khim., 23, no. 1, 52-68, 1955

Abstract

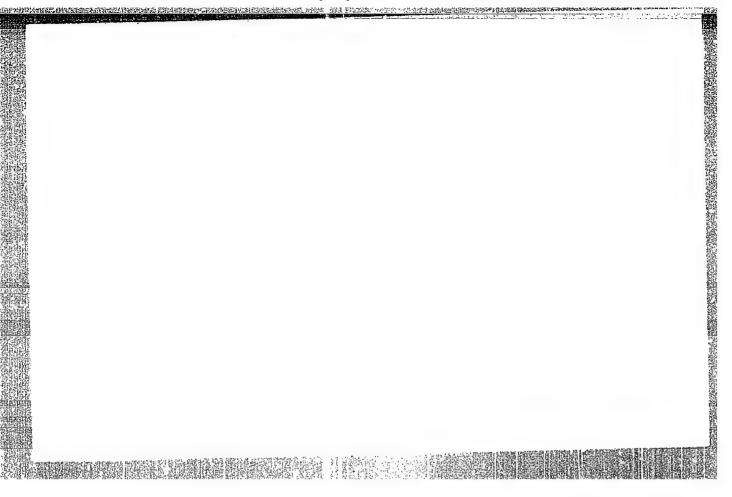
A survey of the literature on fluoberyllates is given; most of the references are to non-Russian sources. A high degree of analogy is found between BeF2 and SiO2. Many binary systems are reviewed. Twenty diagrams, 2 tables, 37 references (7 Russian: 1939-53).

Institution:

None

Submitted

No date



AID P - 2290

TOROPON, N.H.

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 15/21

Authors Toropov, N. A. and M. M. Sychev

。 1985年,在17世前在1888年,1988年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1985年,1

Title Study of the temperature resistance of mineral wool fibers

Periodical: Zhur. prikl. khim., 28, no.3, 322-325, 1955

Abstract : A method for determination of devitrification with the

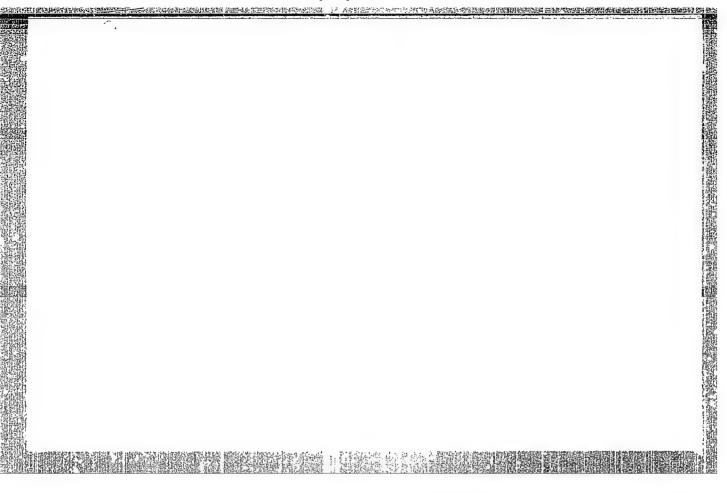
use of Kurnakov's differential pyrometer is given. Increase in the Fe₂0₃- content lowers and increase in Al₂0₃-content increases the resistance of mineral wool fibers to high temperature. Two tables, 1 diagram, no

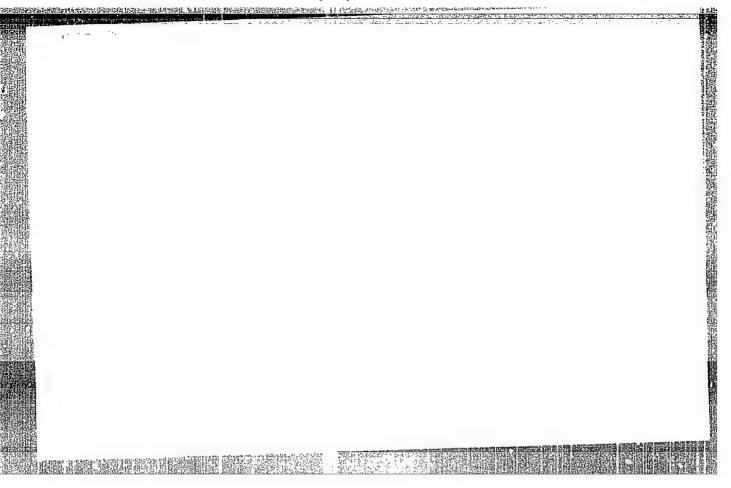
references.

Institution: None

Submitted : S 6, 1953

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756330003-3"





BOYKOYA, A.I. [translator]; BOMDAR', A.I. [translator]; VOANO, V.O. [translator]; TEGGROYA, Yo.N. [translator]; MIKOGOSYAN, Kh.S. [translator]; TOROPOY, M.A., professor, redaktor; ZAKRAR'INSKII, V.A., redaktor; OGANDZHANOYA, M.A., redaktor; DUMBRE, I.Ya., tekhnicheskiy redaktor

[Physical chamistry of silicates; a collection of articles.

Translated from the English and German] Fizicheskaia khimia silikatov; sbornik statei. Perevod s angliiskogo i nemetskogo A.I.Bolkovoi i dr. sbornik statei. Perevod s angliiskogo i nemetskogo A.I.Bolkovoi (MIRA 9:7)

(Silicates)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756330003-3"

THE PROPERTY OF THE PROPERTY O

YEVSTROP'YEV, Konstantin Sergeyevich, professor, doktor khimicheskikh nauk;
TOROPOV, Nikita Aleksandrovich, professor, doktor tekhnicheskikh
nauk; GUREVICH, E.A., redaktor; GIADKIKH, N.N., tekhnicheskiy
redaktor

[The chemistry of silicon and the physical chemistry of silicates]
Khimiia kremniia i fizicheskaia khimiia silikator. Izd. 2- oe.
Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 339 p.
(Silicon) (Silicates) (MIRA 10:3)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756330003-3"

TOROPOV, N. A. Pr. Tech. Sci.

"Latest Data on the Phase Diagram of Aluminum Oxide -- Silicon Dioxide and on the Behavior of Aluminous Refractories in Glass-Making Furnaces," a paper geiven at the 4th International Congress on Glass, Paris, 2-7 Jul 1956

Sim. 1274

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CHOCKET THE STANDARD TO SEE SHEET THE PROPERTY OF SHARMAN

Referativnyy zhurnal, Geologiya, 1957, Nr 7, Translation from:

pp 103-104 (USSR)

Toropov, N. A., Bondari, I. A. AUTHORS:

Synthesis of a Fluoberyllate Type of the Double Calcium TITLE:

and Barium Metasilicate (Sintez ftoroberillatnoy modeli

dvoynogo metasilikata kal'tsiya i bariya)

Sb. nauch. rabot po khimi i tekhnol. silikatov, Moscow, PERIODICAL:

Promstroyizdat, 1956, pp 20-23.

The compound 2NaF.KF.3BeF2, the fluoberyllate analogue ARSTRACT:

of the double calcium and barium metasilicate 2CaO.BaO. 3SiO2, has been synthesized. The following were used in the synthesis: 1) sodium fluoride (98 percent NaF), 2) potassium fluoride in the form of KF·H₂O (77 percent KF), and 3) beryllium fluoride, obtained by treating beryllium oxide with hydrofluoric acid (97.5 percent BoF). The fusion was made in a covered platinum cruci-

ble in a crucible furnace and then quenched (the

melt poured out into a pan). To compare the compound

Card 1/4